

SEQUENCE LISTING

<110> Akzo Nobel, NV
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Boender, Pieter Jacob
Hellings, Jan Albert

<120> Hepatitis Y Virus

<130> 9250-37

<140> US 09/868,553

<141> 2001-06-18

<150> PCT/EP99/10179

<151> 1999-12-16

<150> EP98204313.5

<151> 1998-12-18

<150> EP99200167.7

<151> 1999-01-20

<160> 26

<170> PatentIn version 3.1

<210> 1

<211> 304

<212> DNA

<213> Unknown Organism

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atgtccagcg tggccaaagc cactgcccgg cgcgttggcc gactggacgc ccaggcgctg 180
caaagccaag gcgtgcagac gctgctcgag gcccaccgca actggagcaa gcccagagctg 240
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caccgaccaa tccaccgcga cccgtaccgg cgaagaactc gacgctgccg tcacgcacgc 180
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18

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<211> 100

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<213> Unknown Organism

<400> 11

Ser Gln Ala Thr Ala Arg Arg Thr Tyr Ala Glu Arg Ile Arg Arg Arg
1 5 10 15

Thr Ala Arg Pro Arg Gln Thr Ala Pro Val Arg Gln Ala Val Arg Gly
20 25 30

Val Gln Pro Arg Leu Tyr Arg His Val Gln Arg Gly Gln Ser His Cys
35 40 45

Pro Ala Arg Trp Pro Thr Gly Arg Pro Gly Ala Ala Lys Pro Arg Arg
50 55 60

Ala Asp Ala Ala Arg Gly Pro Pro Gln Leu Glu Gln Ala Arg Ala Val
65 70 75 80

Val Arg His Arg Ala Arg Arg Gln Gly Leu His Leu Arg Leu Leu Pro
85 90 95

Asp Arg Thr Gly
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<210> 12

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<223> x represents any nucleotide

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Asn Cys Thr Pro Ser Thr Asn Ser Ala Cys Pro Ala Ser Cys Pro Arg
20 25 30

Ser Ser Thr Ala Pro Ile Pro Ala Cys Pro Ala Trp Pro Lys Pro Leu
35 40 45

Pro Gly Ala Leu Ala Asp Trp Thr Pro Arg Arg Cys Lys Ala Lys Ala
50 55 60

Cys Arg Arg Cys Ser Arg Pro Thr Ala Thr Gly Ala Ser Pro Ser Cys
65 70 75 80

Gly Thr Pro Ser Ser Ala Pro Ala Arg Phe Thr Pro Thr Ile Thr Thr
85 90 95

Xaa Pro His Trp Ile
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<210> 13

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<213> Unknown Organism

<400> 13

Asp His Lys Gln Leu Pro Asp Glu Arg Thr Leu Ser Val Phe Val Asp
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Arg Arg Gly Xaa Thr Pro Arg Thr Ala Cys Arg Thr Gly Ala Val Cys
65 70 75 80

Arg Gly Arg Ala Val Arg Arg Arg Ile Arg Ser Ala Tyr Val Arg Arg
85 90 95

Ala Val Ala Cys Asp
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<210> 15

<211> 101

<212> PRT

<213> Unknown Organism

<400> 15

Ile Gln Cys Gly Gln Val Val Ile Val Gly Val Asn Leu Ala Gly Ala
1 5 10 15

Leu Asp Gly Val Pro Gln Leu Gly Leu Ala Pro Val Ala Val Gly Leu
20 25 30

Glu Gln Arg Leu His Ala Leu Ala Leu Gln Arg Leu Gly Val Gln Ser
35 40 45

Ala Asn Ala Pro Gly Ser Gly Phe Gly His Ala Gly His Ala Gly Ile
50 55 60

Gly Ala Val Glu Leu Leu Gly Gln Leu Ala Gly Gln Ala Leu Phe Val
65 70 75 80

Glu Gly Val Gln Phe Val Asp Glu Tyr Ala Gln Arg Thr Phe Val Gly
85 90 95

Gln Leu Leu Val Ile
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Ser Met Ala Tyr His Ser Ser Gly Leu Leu Gln Leu Arg Trp Ala Ser
20 25 30

Ser Ser Val Cys Thr Pro Trp Leu Cys Ser Ala Trp Ala Ser Ser Arg
 35 40 45

Pro Thr Arg Arg Ala Val Ala Leu Ala Thr Leu Asp Met Pro Val Xaa
 50 55 60

Ala Arg Leu Asn Ser Ser Asp Ser Leu Pro Asp Arg Arg Cys Leu Ser
 65 70 75 80

Arg Ala Cys Ser Ser Ser Thr Asn Thr Leu Ser Val Arg Ser Ser Gly
 85 90 95

Ser Cys Leu Xaa Pro
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<211> 376

<212> DNA

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cgctgggatg atcacaagca actgccggac gaaaaaaccc tgcaggtctt cgccagcgaa	180
ctgcatggcc ttaaccagca gcgcctgtcc ggcaagctct ccgaagaact caaccgcgcc	240
tataccggca tgtccagcgt ggtcaaagcc actgcccggc gcgttggccg actggacgcc	300
caggcgctgc aaaccaaggc gtgcggacgc tgctcgaggc ccaccgcaac tggagcaagc	360
ccgagctgtg gtacgc	376

<210> 18

<211> 378

<212> DNA

<213> Unknown Organism

<400> 18

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gcgacgcgtg catcacccga ccgtggccga gctgattccc ctgaccctgg ccgagctcga	120
acgctgggat gatcacaagc aactgccgga cgaaaaaacc ctgcaggtct tcgccagcga	180

actgcatggc cttaaccagc agcgccctgtc cggcaagctc tccgaagaac tcaaccgcgc	240
ctataccggc atgtccagcg tgggtcaaagc cactgcccgg cgcgttggcc gactggacgc	300
ccaggcgctg caaagccaag gcgtgcggac gctgctcgag gcccaccgca actggagcaa	360
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ctgattcccc tgaccctggc cgagtcgaac gctgggatga tcacaagcaa ctgccggacg	180
aaaaaacctt gcaggtcttc gccagcgaac tacntncctt aaccagcagc gcctgtccgg	240
caactctccg aagaactcaa ccacgcctat accggcatat cctgcgtgct caaatttact	300
gcccggcgcg ttggccgact ggacgcccag gcgctgcaaa gccaaggcgt gcagacgctg	360
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 <223> n represents any nucleotide

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 ggcgcgttgg ccgactggac gcccaggcgc tgcaaagcca aggcgtgcag acgctgctcg 180
 aggccaccg caactggagc aagcccgagc tgtggtacgc catcgagcgc gccggcaagg 240
 ttacaccta cgattactac ctgaccggac tgcattctga gatctatact gactaatccc 300
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 tannnn 366

<210> 21
 <211> 582
 <212> DNA
 <213> Unknown Organism

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caccttgta tccctgacca ccagcgaagc cggccaagcc gccagcgccc gtcgcaagaa 180
gtgcgtcgcc gcctttctgt tcgtggtgcc actgctgctg ttcattcctg tcaccttcgt 240
cgccccgatc ggtaccatgc tgtggcgag cgtgcatcac ccgaccgtgg ccgagctgat 300
tcccctgacc ctggccgagc tcgaacgctg ggatgatcac aagcaactgc cggacgaaaa 360
aaccctgcag gtcttcgcca gcgaactgca tggccttaac cagcagcgcc tgtccggcaa 420
gctctccgaa gaactcaacc gcgcctatac cggcatgtcc agcgtggtca aagccactgc 480
ccggcgcggt ggccgactgg acgcccaggc gctgcaaagc caaggcgtgc agacgctgct 540
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<210> 22

<211> 513

<212> DNA

<213> Unknown Organism

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ctgcctttct cttcgtggtg ccgctgctgc tgttcatcat cgtcaccttc gtcgccccga 180
tcggtaccat gctgtggcgc agcgtgcac acccgaccgt ggccgaactg attcctctga 240
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gcgtattcgt cgacgaactg cagccctcg acaaacagcg cctgtccggc aagctgtccg 360
aggagttcaa ccgcgccctat accggcatgt ccagcgtggt caaagccact gcccggcgcg 420
ttggccgact ggacgcccag gcgctgcaaa gccaaggcgt gcagacgctg ctcgagggcc 480
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<210> 23

<211> 415

<212> DNA

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ggcgcgttgg ccgactggac gcccaggcgc tgcaaagcca aggcgtgcag acgctgctcg	180
aggcccaccg caactggagc aagcccgagc tgtggtacgc catcgagcgc gccggcaagg	240
tttacaccta cgattactac ctgaccgcac tggatctgga gatgcacccc gacgagggca	300
tccaggtgcg ccaggacacg cagatctatc tgcagctgta ttccaagacc ctgaacatgg	360
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<222> (452)..(452)

<223> n represents any nucleotide

<400> 24

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ggcgcgttgg ccgactggac gcccaggcgc tgcaaagcca aggcgtgcag acgctgctcg	180
agggccaccg caactggagc aagcccgagc tgtggtacgc catcgagcgc gccggcaagg	240
tttacaccta cgattactac ctgaccgcac tggatctgga gatgcacccc gacgagggca	300
tccagacctg cccggggcggc cgctcgaccc ctatagttag taatcccgcg gccatggcgg	360
ccgggagcat gcgacgtcgg gcccaatacg ccctatagtg agtcgtatta aaattcactg	420
gccgtcgttt tacaangtng tgaatggnaa ancctggcgt tacccaactt aatcgccctg	480
cagcacatcc ccctttcgcc agctggcgta atagcgaaga ggcccgcacc	530

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<212> DNA

<213> Unknown Organism

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ggcgcgttgg ccgagtggac gcccaggcgc tgcaaagcca aggcgtgcag agcgtgctc	180
gaggccacc gcaactggag caagcccgag ctgtggtacg ccatcgagcg cgccggcaag	240
gtttacacct aggattacta cctgaccgca ctggatctgg agatgcaccc cgacgagggc	300
atccagacct gcccggggcg	319

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<211> 368

<212> DNA

<213> Unknown Organism

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atgtccagcg tggccaaagc cactgcccgg cgcgttggcc gactggacgc ccaggcgtg	180
caaagccaag gcgtgcagac gctgctcgag gccaccgca actggagcaa gcccgagctg	240
tggtacgcca tcgagcgcgc cggcaagggtt tacacctacg attactacct gaccgcactg	300
gatctggaga tgcaccccga cgagggcatc caggcgcgcc aggacacgca gatctacctg	360

cccgggcg

368